Appl. No. 09/741,272
Atty. Docket No. 8371
Response dated March 19, 2004
Reply to Office Action of January 7, 2004
Customer No. 27752

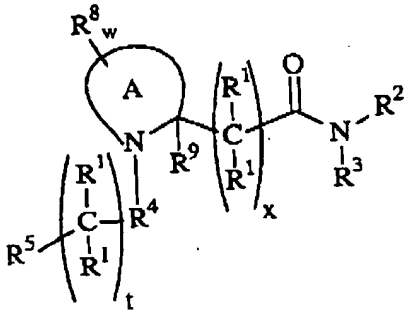
## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1 - 31(canceled).

Claim 32 (Previously presented) A compound having the structure:



or an optical isomer, diastereomer, enantiomer, pharmaceutically-acceptable salt, wherein:

(a) w is 0 to 6, x is 0 to 10, and t is 0 to 6;

(b) A is a substituted heterocyclic group having 4 to 9 members;

(c) $R^1$ is selected from the group consisting of a hydrogen atom, a hydroxy group, a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(d) $R^2$ and $R^3$ are bonded together to form a substituted piperidyl group;

(e) $R^4$ is selected from the group consisting of $-CH(R^1)-$;

(f) $R^5$ is selected from the group consisting of $-NR^6(R^7)-$ and $-O_rR^6-$; wherein r is equal to 1;

(g) $R^6$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogenous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(h) $R^7$ is selected from the group consisting of a hydrogen atom and $R^6$;

(i) $R^8$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, and a substituted heteroaromatic group; and,

(j) $R^9$ is selected from the group consisting of a hydrogen atom or a hydrocarbon group.

33. (Canceled)

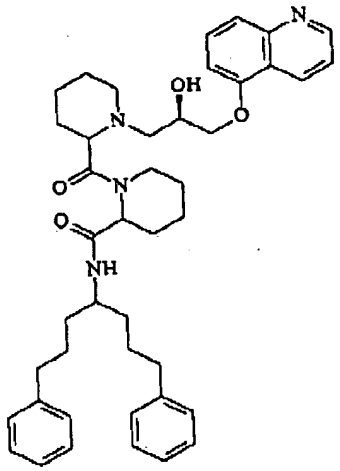
34. (Canceled)

35. (Canceled)

36. (Canceled)

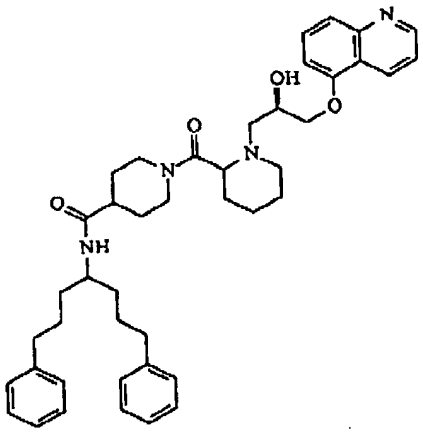
37. (Previously presented) A compound having the formula:

i)



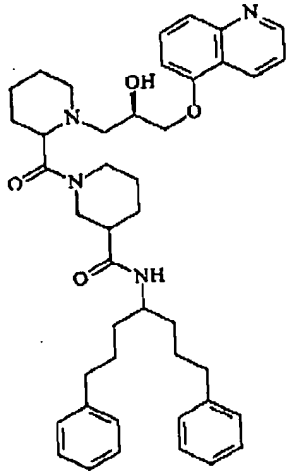
;

ii)



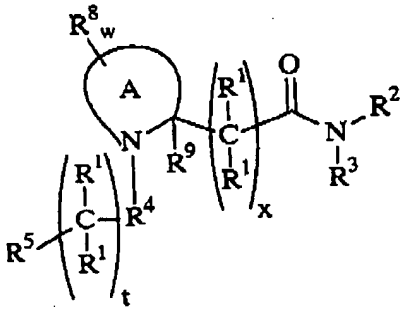
; or

iii)



38. (Previously presented) A composition comprising:

a) one or more compounds having the formula:



or an optical isomer, diastereomer, enantiomer, pharmaceutically-acceptable salt, wherein:

(a) w is 0 to 6, x is 0 to 10, and t is 0 to 6;

(b) A is a substituted heterocyclic group having 4 to 9 members;

(c) $R^1$ is selected from the group consisting of a hydrogen atom, a hydroxy group, a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(d) $R^2$ and $R^3$ are bonded together to form a substituted piperidyl group;

(e) $R^4$ is selected from the group consisting of $-CH(R^1)-$;

(f) $R^5$ is selected from the group consisting of $-NR^6(R^7)-$ and $-O_rR^6-$, wherein r is equal to 1;

(g) $R^6$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogenous group, a substituted heterogeneous group, a corbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(h) $R^7$ is selected from the group consisting of a hydrogen atom and $R^6$;

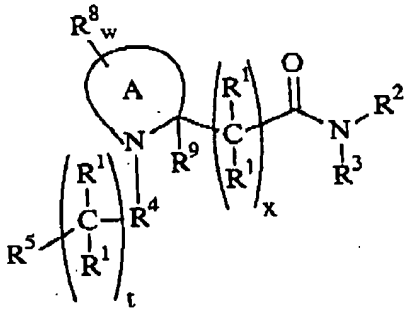
(i) $R^8$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, and a substituted heteroaromatic group; and,

(j) $R^9$ is selected from the group consisting of a hydrogen atom or a hydrocarbon group; and,

b) a pharmaceutically acceptable carrier.

39. (Previously presented) A method for treating multidrug resistance, said method comprising the step of administering to a human or mammal an effective amount of a composition comprising:

a) one or more compounds having the formula:



or an optical isomer, diastereomer, enantiomer, pharmaceutically-acceptable salt thereof, wherein:

(a) w is 0 to 6, x is 0 to 10, and t is 0 to 6;

(b) A is a substituted heterocyclic group having 4 to 9 members;

(c) $R^1$ is selected from the group consisting of a hydrogen atom, a hydroxy group, a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclicgroup, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(d) $R^2$ and $R^3$ are bonded together to form a substituted piperidyl group;

(e) $R^4$ is selected from the group consisting of $-CH(R^1)-$;

(f) $R^5$ is selected from the group consisting of $-NR^6(R^7)-$ and $-O_rR^6-$, wherein r is equal to 1;

(g) $R^6$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogenous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, a heteroaromatic group, and a substituted heteroaromatic group;

(h) $R^7$ is selected from the group consisting of a hydrogen atom and $R^6$;

(i) $R^8$ is selected from the group consisting of a hydrocarbon group, a substituted hydrocarbon group, a heterogeneous group, a substituted heterogeneous group, a carbocyclic group, a substituted carbocyclic group, a

heterocyclic group, a substituted heterocyclic group, an aromatic group, a substituted aromatic group, and a substituted heteroaromatic group;

(j) $R^9$ is selected from the group consisting of a hydrogen atom or a hydrocarbon group; and,

b) a pharmaceutically acceptable carrier.